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E7.3-11123
NASA-CR-135661

SKYLAB

- A. Title of investigation: The Great Basin Investigation
- B. Number of investigation: #357
- C. Period covered: Monthly progress report for September 1973
- D. Contract number: 9-13274
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H. Type of report: Monthly Progress Report for

(E73-11123) THE GREAT BASIN
INVESTIGATION Monthly Progress Report,
Sep. 1973 (Nevada Univ.) 2 p HC \$3.00

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I. Overall Status:

1. The September 13th overflight of Skylab along track #59 was monitored from Mono Lake, California to Ely, Nevada as the orbitor passed over the Great Basin. Weather conditions along the western part of the basin were excellent with less than 5% cloud cover, which increased to 10% in the eastern part of the state. NASA 926 was flown concurrently with Skylab using the AMPs camera system in the same data configuration as the S-190 aboard the orbitor. A special request was made through Mr. C. D. Anderson of Aircraft Operations and approved by the PIMO office to use the two remaining cameras aboard NASA 926, loaded with black and white 2402 with a red 25 filter and Hi resolution color Ektachrome. The reasoning was partly influenced by the poor quality color IR flown in the past and a desire to fly good data concurrently with Skylab that was similar to 190A and 190B film formats. That opportunity has been cut in half however, because the second camera was loaded with another bad batch of color IR film rather than the Ektachrome 2445 that was requested.

2. During the September 13th overflight the University of Nevada and Stanford had ground crews monitoring temperatures of lakes and playas, collecting soil moisture samples and taking spectral data. Boats and low elevation aircraft were employed as well as fixed stations in the data collecting process.

3. A one day trip was made to Stanford in order to calibrate the Isco Spectroradiometer.

4. Work is continuing on the reduction of ground measurements taken during aircraft and Skylab overflights.

J. Expected Accomplishments for the Next Reporting Period:

1. The entire month of October will be spent working on the groundbased microwave (geothermal) contract with the Jet Propulsion Laboratory.

K. Travel:

1. No travel is planned during the next reporting period.